

WHAT IS CLAIMED IS:

- 1 1. A handheld computer, comprising:
2 a housing;
3 a display supported by the housing;
4 computing electronics supported by the housing and
5 configured to communicate with the display;
6 at least two light sensors configured to provide input to the
7 computing electronics;
8 wherein the computing electronics are configured to adjust at
9 least one of a brightness factor of the display and a contrast factor of the
10 display based on the input of the at least two light sensors.
- 1 2. The handheld computer of claim 1, wherein the at least two
2 light sensors are disposed near opposing edges of the display.
- 1 3. The handheld computer of claim 1, wherein the at least two
2 light sensors further comprise four light sensors disposed on corners of a
3 perimeter of the display.
- 1 4. The handheld computer of claim 3, wherein the at least two
2 light sensors are photoelectric sensors.
- 1 5. The handheld computer of claim 4, wherein the computing
2 electronics are configured to adjust the brightness factor and the contrast
3 factor of the display based on the input of the at least two light sensors
4 by averaging the at least two signals to generate a control signal.
- 1 6. The handheld computer of claim 5, further comprising
2 providing the average of the at least two signals to an algorithm
3 configured to generate a control signal.

1 7. The handheld computer of claim 1, wherein the display is
2 one of an LCD and a TFT display.

1 8. A method for controlling a display in a mobile electronic
2 device, comprising:
3 providing a first signal indicative of lighting conditions at a
4 first position relative to the display device;
5 providing a second signal indicative of lighting conditions at a
6 second position relative to the display device;
7 generating a control signal based on the first and second
8 signals; and
9 adjusting at least one of a brightness factor of the display
10 device and an intensity factor of the display device using the control
11 signal.

1 9. The method of claim 8, wherein generating a control signal
2 further comprises averaging the first and second signals.

1 10. The method of claim 8, wherein generating a control signal
2 further comprises accessing a look up table based on the first and second
3 signals to determine the control signal.

1 11. The method of claim 8, wherein generating a control signal
2 further comprises providing the first and second signals to an algorithm
3 configured to determine the control signal.

1 12. The method of claim 8, wherein generating a control signal
2 further comprises generating a brightness control signal and a contrast
3 control signal.

- 1 13. A method for controlling the display of a mobile electronic
2 device, comprising:
3 providing a first signal indicative of lighting conditions at a
4 first position relative to the display device;
5 providing a second signal indicative of lighting conditions at a
6 second position relative to the display device;
7 providing a third signal indicative of lighting conditions at a
8 third position relative to the display device;
9 providing a fourth signal indicative of lighting conditions at a
10 fourth position relative to the display device;
11 generating a control signal using the first, second, third and
12 fourth signals; and
13 adjusting at least one of a brightness factor of the display
14 device and an intensity factor of the display device using the control
15 signal.
- 1 14. The method of claim 13, wherein generating a control signal
2 further comprises averaging the first, second, third and fourth signals.
- 1 15. The method of claim 13, wherein generating a control signal
2 further comprises accessing a look up table based on the first, second,
3 third and fourth signals to determine the control signal.
- 1 16. The method of claim 13, wherein generating a control signal
2 further comprises providing the first, second, third and fourth signals to
3 an algorithm configured to determine the control signal.
- 1 17. The method of claim 13, wherein generating a control signal
2 further comprises generating a brightness control signal and a contrast
3 control signal.